

LIST OF APPROVED MAKES

CIVIL FINISHES

S.No.	Item	Makes
1	Melamine Polish	Asian/ICI/Berger
2	Resin based Adhesive	Fevicol/ Jivanjor (Vamicol)
3	Paint	ICI/ Berger/ Asian/ Johnson & Nicholson
4	Putty	Shalimar/ Berger/ Asian/ Birla
5	Fire retardant Paint	Navair/ Viper or approved equivalent
6	Markeen	DCM or approved
7	Ply and Block Board	Duro/ Century/ Green Ply/ Merino
8	Medium Density Fibre Board (MDF)	Green Ply/ Merino/ Century/ or approved equivalent
9	Venetian Blinds	Vista Levolor/ Maxun or approved equivalent
10	Gypsum Board Partition & Ceiling	India Gypsum /Boral/Saint-Gobain Gypsum
11	Wood Preservative Paint	ICI/ Dulux/ Berger
12	Glass/ Mirror	Saint Gobain/ Asahi/ Modi
13	Laminate	Greenlam/ Merinolam/ Archid/ Century or equivalent
14	Fabric	As per sample approved
15	Veneers	Duets (Green ply)/ Duro/ Century/ Archid/ Durian/ Soner
16	Brass/ Stainless Steel hardware	Sigma/ Erl behari/ Hafele
17	Box Type Hinges	Erl Behari, Hettich/ Hafele
18	Magnetic/ Ball Catchers	As per sample approved
19	Stainless steel Handles	Dorset/ Cavalier
20	Multipurpose cupboard Locks	Godrej/ Dorset/ Hafele
21	Drawer Channels	Erl Behari/ Hettich
22	Key Board channels & slides	Erl Behari/ Hettich
23	Knobs	As per sample approved
24	Edge Band Tape	Greenlam/ Rehau or equivalent
25	Source for Tempering Glass	Gold plus/ Sejal/ Kaenat
26	Film	3M India Ltd/ Maxun As per sample approved
27	White Board	Alkosign/ White mark
29	Aluminium sections	Jindal/ Hindalco/ Bhoruka/ Tri Sure Innovative
30	Granite/Marble Stones	As per sample approved
31	Blinds	Vista/Mac Décor/Hunter Douglas/Rola shades Maxun/ Tri Sure Innovative or approved equivalent
32	Water Proofing	Dr.Fixit-Pidilite,CICO, Pidilite, Laticrete, Dr. Chougule, Tapcrit
33	Cement	ACC,SRI RAM, JK,ULTRA TECH, Ambuja, Birla, Ultratech, L&T, Lafarge
34	Structural steel	SAIL, TATA, TISCO, Avon, Aplo, Surya, Jindal, RINL
35	Reinforcement Steel	SAIL, TATA,RNIL,JINDAL (Fe 500)
36	Plaster of Paris	JK Lakshmi/Shri Ram/Saint-Gobain Gypsum, Birla(SUPER FINE)

Structural		
S. No.	Material	Makes
1	Chlorpyriphios	DE-NOCIL, Cynamide
2	TMT Fe 500	SAIL, TISCO, RINL, JINDAL, TATA
3	RMC	RMC India, Birla ready mix, Lafarge, Ultratech
4	Structural Sealant	Wacker, Dow Corning, GE
5	Structural steel	SAIL, TISCO, RINL, JINDAL, TATA
6	M.S. Pipe, Tubes, Bar, Flats, Angle, Tee Sections	SAIL, TISCO, Avon, Apllo, Surya, Jindal, RINL
7	Concrete Admixture / Micro Materials	Alccofine / Fosroc / CICO / Micro Silica
8	Polysulphide sealant	Pidilite, Chemetall-Rai
9	Cement (OPC) - 43 grade	Ambuja, Birla, Ultratech, L&T, Lafarge, ACC
10	Polyethylene back up rod	Supreme Ind. Ltd., or approved equivalent
11	PVC water stoper	Fixopan, Sintex, Sikka or approved equivalent
12	White Cement	Birla, J.K., Asian
13	Water proofing cement paint	CICO, Pidilite, Laticrete, Dr. Chougule, Penetron or approved equivalent
14	Fire Retardant paint	Viper or approved equivalent
15	Wax polish	Mansion or approved equivalent
16	Epoxy	Fosroc, STP, CICO
17	APP Polymeric Polyethylene Felt	Texsa, BITUMAT, STP or approved equivalent
18	Expanded Polystyrene (Thermocole)	Beardshell or approved equivalent
19	Extruded Polystyrene	Sikka, Iso board ND or approved equivalent
20	Hessian Based Felt	Texsa, BITUMAT, STP or approved equivalent
21	Chequered Precast Cement concrete tile	Nitco, Unitile or approved equivalent
22	Commercial Quality White Glazed Ceramic tiles	Orient or approved equivalent
23	PVC Strips	Fixopan or approved equivalent
24	Geotextile Fabric	Texa, Netlon, Ca Polyteck Pvt. Ltd or approved equivalent
25	UPVC Pipe	Finolex Industries Ltd, or approved equivalent
27	Welding rod	Adani or approved equivalent
28	MS Black enameled / galvanized ERW conduits	AKG, BEC, Steelkraft
30	AAC Block works	Ultratech, J.K., ACC or approved equivalent
31	Steel Fire Door	Shakti Met, Promat or approved equivalent
32	Non Metallic Fire Door	Navir, Promat or approved equivalent
34	Fire Door Hardware	Viper or approved equivalent

ELECTRICAL

S.No.	Items Description	Approved Makes
	Electrical Works	
1	Wiring	
1.1	MS conduits ISI embossed black enameled /galvanized (G.I)	AKG, BEC
1.2	Galvanized steel flexible PVC conduit	Finolex, BEC, Trinity Touch
1.3	MS/GI Conduit accessories superior type as per approved samples	Sharma Sales Corpn., Super Sales Corpn, Rama Sales Corp
1.4	PVC flexible conduit and accessories	Finolex, BEC, Trinity Touch

S.No.	Items Description	Approved Makes
1.5	PVC rigid conduit and accessories ISI embossed	AKG, BEC
1.6	PVC insulated FRLS stranded copper conductor wires	Finolex, Polycab, RR Cables
1.7	PVC insulated FRLS copper conductor Low leakage wires	Fusion Polymer
1.8	MS/G.I Raceways and its accessories.	Steel Ways, Profeb
2	Wiring accessories	
2.1	Modular grid plate wiring accessories (switches, socket outlets bells etc.) with boxes.	For Switches/Sockets on UPS Supply, 'UPS' to be engraved ABB Classiq Lumina, MK
2.2	Metal clad Socket Outlets with boxes	ABB/Legrand/Schneider
2.3	Under floor junction boxes and cable management system	Legrand
2.4	Weather proof Industrial plugs and sockets (IP 65 / 66)	Legrand, Neptune, Clipsal, Schneider
2.5	Extension Power strip with universal sockets Desk mounted outlet boxes	-
2.6	Rack mounted outlet PDV's	-
2.7	Polycarbonate Junction Boxes	Hensel, Clipsal
3	LT Distribution equipments	
3.1	MCB's/RCCB's	ABB, Schneider, Hager
3.2	Earth leakage circuit breaker	ABB, Schneider, Hager
3.3	Timers in Distribution Boards	-
3.4	Distribution Boards	ABB, Schneider, Hager
3.5	Moulded Case Circuit Breakers, Motor protection circuitbreaker	ABB, Schneider, Hager
3.6	Switch Fuse units and Isolator	ABB, Schneider, Siemens
3.7	Change over switch / Isolators	HPL Socomec
3.8	Power/auxiliary, Capacitor control Contactors, overload relays	ABB,L&T
3.9	Single phase preventer, overload relays	ABB,L&T,Schneider
3.10	Air Circuit Breaker	ABB Emax, Schneider MG Master Pact NW
3.11	Protection relays electromechanical	ABB, Siemens
3.12	Protection Relays Numeric	ABB, Siemens
3.13	APFC relay 3 phase	ABB,L&T, Siemens
3.14	MPP heavy duty Capacitors	L&T, Mehar, Schneider
3.15	Current Transformer	Gillbert & Maxwell, Precise, AE, Kappa,
3.16	Control / Potential Transformer	Gillbert & Maxwell, Precise, AE, Kappa,
3.17	Push Buttons, Indicating lamps LED	L & T (Esbee), Vaishno, Teknik, Schneider Electric (MG)
3.18	Selector switches	L & T Salzer, Kaycee
3.19	Instruments – analogue	L&T (Rishab), AE
3.20	Digital energy meter	Conzerv, Neptune,
3.21	Power and harmonic analyzer	Conzerv, Neptune
3.22	Programmable Logic Controller (PLC)	Allen Bradley, Siemens
3.23	Components for non compartmentalized LT Switch Board	Tricolite, adlec / Milestone / neptune
3.24	LT switchboards, Feeder pilar panel	Tricolite, adlec / Milestone / neptune

S.No.	Items Description	Approved Makes
3.25	Main LT Switch boards,PLC Panels,Capacitor Panel	Tricolite,adlec / Milestone / neptune
3.26	Dry type CO2 flooding system for Main L.T. Panels.	Fire Pro, SVS Buildwell, Pyroguard, Southern Electronics
4	Low Tension System	
4.1	Telephone wires	Delton,Beldan
4.2	CAT 5 Telephone wires, Coaxial (RG -11, RG-6) wires	Amp,Beldan
4.3	PA (2C X 1.5)	Excle
4.4	Telephone Tag Blocks	Krone, Pouyet
4.5	Cat 6 Data cable	Beldan, Amp
4.6	Cat 6 Data Wire	Beldan, Amp
4.7	Splitter/Tap off Box (MATV)	
4.8	Line extended amplifier (MATV)	
4.9	Telephone outlet (RJ-11, RJ-6)	
4.10	Computer data outlet (RJ-45)	
4.11	Main distribution frame (MDF)	
4.12	IDC - Patch Panel	
5	Cables	
5.1	1100 volt grade XLPE Insulated Aluminium Conductor cables	Gloster, Polycab, RPG,
5.2	1100 volts grade FRLS PVC control cables	RPG,Polycab,Nicco
5.3	Double compression brass cable glands	Dowells, Comet
5.4	Cable lugs	Dowells
5.5	M.S /G.I Cable trays & its accessories	Slotco, Profab, Steel Ways
5.6	RCC Hume Pipe	K K/ Pranali
6	Bus Duct	
6.1	Sandwich type Bus Ducts	Control & Switchgear
6.2	Sandwich Rising Mains	Control & Switchgear
7	11 kv Substation equipment	
7.1	11 kV Vacuum Switchgear	ABB,Siemens
7.2	Potential Transformer	Gillbert & Maxwell, Precise, AE, Kappa,
7.3	11 kV/ 433 volt, , OLTC Dry type Transformer	Voltamp, Crompton, Kirloskar Electric
7.4	Isolation Transformer	Omega Powertech
7.5	11000 volt grade XLPE insulated, FRLS aluminium conductor armoured cables	Polycab,NICCO,RPG
7.6	11000 volts cable termination kits	Raychem, 3M
7.7	Rubber mats	Electromat
7.8	CO2 Fire extinguishers	Minimax, Ceasefire
7.9	Battery banks maintenance free VRLA	Amaron (Amara raja),Excide
7.10	Battery charger	Voltstat (Voltron),AE,Chabbi
8	Lighting and Surge Protection	
8.1	Lighting Protection	Duval Messien , Erico
8.2	Maintenance Free Earthing	Dual Messien,Erico
8.3	Transient voltage surge suppressors (TVSS)	-

S.No.	Items Description	Approved Makes
9	Miscellaneous	
9.1	Anchor Fastener	Hilti
9.2	Microprocessor based Nurse Call system	System tek
9.3	Fire sealing material	Hilti,3M
9.4	Paints	Asian,Shalimar
9.5	Ceiling Fans	Crompton Greaves, Havells, Orient
9.6	Welding rods	Advani
9.7	PVC Heat shrinkable sleeve	

HVAC

S.No.	Items Description	Makes
1	Water Chilling Machine – Screw Chillers	YORK/Trane (China)
2	Secondary pumps	ITT Bell & Gossett/ Armstrong
3	Pumps (Primary, Hot & condensor water)	Kirloskar / Crompton Greaves
4	Vibrators Isolators	Resistoflex /Kanwal
5	Cooling Tower	Bell /Flowtech/Advance
6	Heat Exchanger	Alfa Laval , GEA
7	Air Handling Units-Casing	Systemair /Waves / Zeco
8	Cooling/Heating Coils	Systemair /Waves / Zeco
9	Centrifugal fans for AHUs	Kruggen /Nicotra
10	Prefilters/Fine Filters/HEPA Filters	Thermadyne
11	Inline Fans	Kruggen
12	Propeller Fan	GEC (Marathon)/ Crompton
13	Axial Fans	Kruggen /Nicotra
14	Differential Pressure sensors	Siemens
15	Ventilation fan section for Exhaust & Fresh air	Systemair /Waves / Zeco
16	Fan Coil Units	Waves / Zeco/ Hitech
17	Canvas connection fire proof for FCUs	Navair / ATCO
18	Expansion tank	Sandhu
19	Evaporative cooling unit	
20	Air Washer (Wetting Pads)	Systemair /Waves / Zeco
21	Kitchen Scrubber (Dry Type)	Trion
22	Condensing units/ air cooled split units	Carrier/ Blue star
23	Fan Filter Module	Thermadyne
24	Water Flow Switch	Danfoss/Honeywell/Siemens/rapidcool
25	Piping (Condensor/Chilled/Drain) Up to 200 MM Dia	Jindal (Hissar)
26	Piping (Condensor/Chilled/Drain) Above 200 MM Dia	Jindal (Hissar) /Jindal Gbd
27	Butterfly Valves(Water Duty)	Advance
28	Motorised butterfly valves	Honeyweel/Siemens/Balemo
29	Balancing Valves(Water Duty)	Advance

30	Automatic balancing valves	Flowcon/Tour & Enderson/ Honeywell/Danfoss
31	Check Valves(Water Duty)	Advance
32	Y- Strainers	Flowel/Sandhu
33	Pot Strainers	Flowel/Sandhu
34	Ball Valves (with & without strainer)	Rapid cool
35	Gate Valves(Water Duty)	Leader/Zoloto
36	Globe Valves	
37	Two Way / Three Way Valves	Siemens (For FCU - 3way Valve- Siemens and For FCU - 2way Valve - Flowcon)
38	Polyurethane foam (PUF)	Malanpur
39	Expanded Polystyrene Insulation (EPS)	Beardsell / Styrene Packings
40	Nitrile rubber insulation for pipe	Armaflex/Kflex/Aflex
41	Alluminium Cladding Sheet	Balco/Hindalco
42	Pre moulded PUF section for Pipe support	Malanpur
43	Pressure Gauges	H.Guru /Feibig
44	Thermometers	H.Guru
45	Auto air vent	rapidcontrol/Anergy
46	Modulating Motor / proportional thermostat /Snap acting thermostat	Honeywell/Siemens
47	Pan Humidifier	Rapidcontrol
48	Air Distribution/Ducting GI Sheets	Jindal/Sail
49	Factory made duct	Ductofab/Rolarstar/Zeco
50	Aluminum sheets	Balco/Hindalco
51	Flexible Duct	Atco
52	Extruded Aluminum Grills/Diffusers/fresh air louvers	Ravistar / Mapro/Opella
53	Extruded Aluminum Sections	Mahavir Jindal
54	Fire/Smoke Dampers	Mapro / Ravistar/caryaire
55	Closed cell polyethylene Insulation for duct	Paramount / Supreme
56	Fiberglass insulation for duct/Accoustic lining	UP Twiga/Owens Corning
57	RP Tissue	UP Twiga
58	Electric Motors	ABB (Energy efficient)
59	Red Oxide, Zinc Chromate Primer	ICI / Berger
60	CPRX	Shalimar
61	Dash Fasteners	Hilti/Fischer
62	Hot Water Generator	Rapid cool / KEPL
63	Electrical Items	
a	Electrical A/C panel	Advance / Adlec
b	Motors (EEF)	ABB

c	Electrical AHU Panel	Advance / Adlec (All AHU Panel Should have Single Phase Preventor)
d	Air Circuit Breaker 3&4 pole	ABB Emax,Schneider MG Master Pact NW
e	MCCB with rotary operating mechanism	ABB,Schneider,Hager
f	ELCB & EL+MCB	ABB,Schneider,Hager
g	Power/Aux Contactor	ABB
h	Change Over Switch	HPL Socomec
i	Control Transformer/Potential Transformer	Kappa/Gilbert & Maxwell / Precise/AE
j	Current Transformer	Kappa/Gilbert & Maxwell / Precise/AE
k	Electronic Digital Meters	Conzerv, Neptune,Enercon
l	Single phase preventer	ABB/L&T/Schneider
m	Aluminium armaoured cable	Polycab/ Gloster/ RPG
n	Double compression Cable Gland	Comet/ Dowells
o	Lugs/ Thimbles	Comet/ Dowells
64	Variable Speed drives	ABB
65	Heat recovery wheel	BryAir/Flakt wood
66	Motorized Actuator	Siemens/Belimo

PLUMBING

S.NO.	DESCRIPTION	MANUFACTURER'S NAME
1	Vitreous China Sanitary wares	
2	EEC Plastic Seat Covers	Prince / Supreme
3	WC Connector	Astral/ Ashirwad / Supreme
4	S.S. Floor Grating / Floor Clean Out	Chilly / Neer / GMGR ACO
5	Manhole covers and frames as per IS:1729	NECO / Raj Iron Foundry Agra
6	D.I. Manhole Covers & Frames	Kartar valves & fittings / NECO
7	Fire Clay Sink	Sanfire / Johnson Pedder
8	Pipe clamp & supports	Chilly / Euroclamp /
9	UPVC Rain Water Pipes And Fittings - IS:13592	Astral / Ajay / Ashirwad
10	CPVC Water Supply Pipes And Fittings	Astral / Ajay / Ashirwad
11	Polypropylene Soil, Waste Pipes And Fittings	Astral / Rahau / huliot
12	RCC Pipe	K K / Indian Hume Pipe or Local & Approved
13	S.W.Pipes/ Gully Traps - Is : 651	Burn / Perfect Or I. S. I. Marked
14	GM / Forged Brass Valves / Air Release Valve	Zoloto / Advance / Castle / Audco

15	Sluice / Butterfly / Non Return Valves	Danfoss / SKS / Audco / Advance / Jayhiwa / Castle
16	Pressure Reducing Valve	Honeywell / Zoloto / RB / Audco / Advance
17	Anti-Vibration Mounting & Flexible Connection	Dunlop / Kanwal Industrial Corporation / Resistoflex
18	Pressure Gauge	Forbes Marshall/ Kent / Emerald / H Guru
19	Electronic Flow Meter	Forbes Marshall / Rockwine
20	Water Level Indicator / Level Controller	Tecnika / Techrol / Auto Pump
21	Fastner	Fisher / Hilti
22	Paints	Asian Paints / Berger
23	Insulation for Hot Water Pipes	Aflex / Armacell – Armaflex / Eurobatex – Union Foam / K-Flex ST / Thermaflex
24	Pressure Reducing Station & PRV	J N Marshall, Thermax
25	Any Other Items	On Approval Of Architect / Consultant Or Engineer-In-Charge

Firefighting

S.No	DESCRIPTION	MANUFACTURER'S NAME
1	Hydrant Valves / Fire Brigade Inlet / Draw out / Fire Mans Axe	Newage mumbai / Minimax / Safex
2	Branch Pipe and Nozzle	Newage mumbai / Minimax / Safex
3	Fire Hose Pipe, Hose Reel	Newage mumbai / Minimax / Safex
4	Fire Extinguishers	Minimax / Cease Fire / Newage mumbai / Kanex
5	Sluice Valves / Butterfly valves / Non Return Valves	Danfoss / SKS / Audco / Advance / Jayhiwa
6	Ball Valves	Zoloto / Advance / Castle / Audco
7	Y strainer	Emerald / Zoloto
8	Air Release Valve	Zoloto / Advance / Castle / Audco
9	Galvanized Iron Pipe / MS Pipe - IS : 1239	Jindal (Hissar) / Prakash Surya / Tata Steel
10	G.I./ MS / M.I. Fittings	Unik / Jainsons
11	MS Forged Fittings	VS / B M / True forge
12	Ductile Iron Grooved Fittings and coupling (above 50mm) (UL Listed, FM approved)	Victaulic / smith cooper / Viking
15.	G. I. Pipe Sealant	Henkel - Loctite 55

13	Pipe Clamp & Supports	Chily / Euroclamp
14	Pump Control Panel	Tricolite / Advance (Delhi) / Ambit / Adlec / Milestone / ASES (Agni Suraksha) / Vidyut control / RST / Dynamic
15	Fire Fighting Pumps	Kirlosker / Mather+Platt / Lubi
16	Diesel Engine	Kirlosker / Cummins
17	Electric Motors	Kirlosker / Crompton / Siemens
18	Pressure Switches	Danfoss / Indfoss
19	Pressure Gauge	H Guru / FIBIG
20	Anchor Fastner / U clamp / Celvis / sprinkler hangers	Hilti / Intello tech / Hightech / Fisher / Easyflex
21	Anti-Vibration Mounting / Expansion Joint	Easyflex / Resistoflex / Kanwal / Precise